| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|--|--------------------------------|------------------|
| 1 | 271475 | (M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) | USPAT; | 2004/09/28 11:45 |
| | | magneto\$1resistive magneto\$1resistance (magnetic adj4 | US-PGPUB; | |
| | | (head apparatus element sensor))).ti. | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| 2 | 522 | ((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) | USPAT; | 2004/09/28 11:47 |
| | , | magneto\$1resistive magneto\$1resistance (magnetic adj4 | US-PGPUB; | |
| | . 1 | (head apparatus element sensor))).ti.) and (C\$1P\$1P (current | EPO; JPO; | • |
| | | adj2 plane adj2 perpendicular)) | DERWENT; | |
| 3 | 4552 | //MC1D CC1MC1D eninC1valveC1 (enin edi valve) | IBM_TDB | 2004/00/00 44.50 |
| | 4002 | ((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) magneto\$1resistive magneto\$1resistance (magnetic adj4 | USPAT; | 2004/09/28 11:50 |
| | | (head apparatus element sensor))).ti.) and (A\$1F\$1M | US-PGPUB; EPO; JPO; | |
| | | A\$1F\$1C A\$1F anti\$1ferro\$1magnet\$4 (anti adj | DERWENT; | j |
| | | ferro\$1magnet\$4) (anti\$1ferro adj magnet\$4)) | IBM_TDB | |
| 4 | 56080 | ((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) | USPAT; | 2004/09/28 11:54 |
| • | 00000 | magneto\$1resistive magneto\$1resistance (magnetic adj4 | US-PGPUB; | 2004/03/20 11:54 |
| | | (head apparatus element sensor))).ti.) and (oxide insulating | EPO; JPO; | |
| | | insulator dielectric O?sub.\$2 Al\$10 Si\$10 Ti\$10 oxygen | DERWENT: | |
| | | nitride carbide boride N?sub.\$2 C?sub.\$2 B?sub.\$2) | IBM_TDB | |
| 5 | 7234 | ((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) | USPAT; | 2004/09/28 11:54 |
| | | magneto\$1resistive magneto\$1resistance (magnetic adj4 | US-PGPUB: | |
| | | (head apparatus element sensor))).ti.) and (track adj width) | EPO; JPO; | |
| | | | DERWENT; | |
| | | , · | IBM_TDB | |
| 6 | 158 | (((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) | USPAT; | 2004/09/28 12:43 |
| | | magneto\$1resistive magneto\$1resistance (magnetic adj4 | US-PGPUB; | |
| | | (head apparatus element sensor))).ti.) and (C\$1P\$1P (current | EPO; JPO; | |
| | | adj2 plane adj2 perpendicular))) and (((M\$1R G\$1M\$1R | DERWENT; | |
| | | spin\$1valve\$1 (spin adj valve) magneto\$1resistive | IBM_TDB | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (A\$1F\$1M A\$1F\$1C A\$1F | | |
| | | anti\$1ferro\$1magnet\$4 (anti adj ferro\$1magnet\$4) | | |
| | | (anti\$1ferro adj magnet\$4))) and (((M\$1R G\$1M\$1R | | |
| | | spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (oxide insulating insulator dielectric O?sub.\$2 Al\$1O Si\$1O Ti\$1O oxygen nitride carbide boride | | |
| | | N?sub.\$2 C?sub.\$2 B?sub.\$2)) and (((M\$1R G\$1M\$1R | | |
| | | spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (track adj width)) | | |
| 7 | 2 | "20030030948" | USPAT; | 2004/09/28 12:44 |
| | • | | US-PGPUB; | |
| ļ | | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | | | IBM_TDB | |
| 8 | 17 | ("20040095690" "20040061979" "20040052007" | USPAT; | 2004/09/28 12:46 |
| | | "20030206384" "20030203238" "20030197988" | US-PGPUB | |
| | | "20030197987" "20030184921" "20030162344" | | * * |
| | | "20030080088" "20030072111" "20030053269" | | |
| | | "20020135956" "20020131215" "20020036876" "6738234" | | |
| | 000 | "6710984").pn. | | |
| 9 | 388 | (HASEGAWA near1 NAOYA).in. (UMETSU near1 EIJI).in. | USPAT; | 2004/09/28 12:56 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; | |
| ļ | | | DERWENT; | |
| | | | | |
| 10 | 27 | ///M\$1D G\$1M\$1D cnin\$1volug\$1 / | IBM_TDB | 0004/00/00 40 50 |
| 10 | 37 | (((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) | IBM_TDB USPAT; | 2004/09/28 12:56 |
| 10 | 37 | magneto\$1resistive magneto\$1resistance (magnetic adj4 | IBM_TDB USPAT; US-PGPUB; | 2004/09/28 12:56 |
| 10 | 37 | (((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) magneto\$1resistive magneto\$1resistance (magnetic adj4 (head apparatus element sensor))).ti.) and (C\$1P\$1P (current adj2 plane adj2 perpendicular))) and ((HASEGAWA near1 | IBM_TDB USPAT; | 2004/09/28 12:56 |

| | | (((A)A)A D OOANAAD : 04 -1 04 (: | LIODAT | 0004/00/00 |
|----|----|---|-----------|------------------|
| 11 | 9 | ((((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) | USPAT; | 2004/09/28 13:05 |
| | | magneto\$1resistive magneto\$1resistance (magnetic adj4 | US-PGPUB; | |
| | | (head apparatus element sensor))).ti.) and (C\$1P\$1P (current | EPO; JPO; | |
| | | adj2 plane adj2 perpendicular))) and ((HASEGAWA near1 | DERWENT; | |
| | | NAOYA).in. (UMETSU near1 EIJI).in.)) not ((((M\$1R G\$1M\$1R | IBM_TDB | |
| | | spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (C\$1P\$1P (current adj2 plane adj2 | | |
| | | perpendicular))) and (((M\$1R G\$1M\$1R spin\$1valve\$1 (spin | | |
| | | adj valve) magneto\$1resistive magneto\$1resistance (magnetic | | |
| | | adj4 (head apparatus element sensor))).ti.) and (A\$1F\$1M | | |
| | | A\$1F\$1C A\$1F anti\$1ferro\$1magnet\$4 (anti adj | | |
| | | ferro\$1magnet\$4) (anti\$1ferro adj magnet\$4))) and (((M\$1R | | |
| | | G\$1M\$1R spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (oxide insulating insulator dielectric | | |
| | | O?sub.\$2 Al\$10 Si\$10 Ti\$10 oxygen nitride carbide boride | | |
| | | N?sub.\$2 C?sub.\$2 B?sub.\$2)) and (((M\$1R G\$1M\$1R | | |
| | | spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (track adj width))) | | |
| 12 | 28 | ((((M\$1R G\$1M\$1R spin\$1valve\$1 (spin adj valve) | USPAT; | 2004/09/28 13:05 |
| | | magneto\$1resistive magneto\$1resistance (magnetic adj4 | US-PGPUB; | |
| | | (head apparatus element sensor))).ti.) and (C\$1P\$1P (current | EPO; JPO; | |
| | | adj2 plane adj2 perpendicular))) and ((HASEGAWA near1 | DERWENT; | |
| | | NAOYA).in. (UMETSU near1 EIJI).in.)) not (((((M\$1R | IBM_TDB | |
| | | G\$1M\$1R spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (C\$1P\$1P (current adj2 plane adj2 | , | |
| | | perpendicular))) and ((HASEGAWA near1 NAOYA).in. | | |
| ~ | | (UMETSU near1 EIJI).in.)) not ((((M\$1R G\$1M\$1R | | |
| | | spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (C\$1P\$1P (current adj2 plane adj2 | | |
| | | perpendicular))) and (((M\$1R G\$1M\$1R spin\$1valve\$1 (spin | | |
| | | adj valve) magneto\$1resistive magneto\$1resistance (magnetic | | |
| | | adj4 (head apparatus element sensor))).ti.) and (A\$1F\$1M | | |
| | | A\$1F\$1C A\$1F anti\$1ferro\$1magnet\$4 (anti adj | | |
| | | ferro\$1magnet\$4) (anti\$1ferro adj magnet\$4))) and (((M\$1R | | |
| | | G\$1M\$1R spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (oxide insulating insulator dielectric | | |
| | | O?sub.\$2 Al\$10 Si\$10 Ti\$10 oxygen nitride carbide boride | | |
| | | N?sub.\$2 C?sub.\$2 B?sub.\$2)) and (((M\$1R G\$1M\$1R | | |
| | | spin\$1valve\$1 (spin adj valve) magneto\$1resistive | | |
| | | magneto\$1resistance (magnetic adj4 (head apparatus | | |
| | | element sensor))).ti.) and (track adj width)))) | | • |